

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: February 10, 2004, 10:48:45 : Search time 9.19881 Seconds
(without alignments)
570.350 Million cell updates/sec

Title: US-10-067-385-8_COPY_650_773

Perfect score: 651

Sequence: 1 EDFLPYKGLKLEKGYQFDG.....ATVLDKNNISKSTNNPNK 124

Scoring table: BLOSUM62

Gapop 10.0, Gapext 0.5

Searched: 328717 seqs, 42310858 residues

328717

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

1: /cgn2_6/ptodata/1/1aa/5A_COMB.pdp:*

2: /cgn2_6/ptodata/1/1aa/5B_COMB.pdp:*

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5: /cgn2_6/ptodata/1/1aa/6C_COMB.pdp:*

6: /cgn2_6/ptodata/1/1aa/6D_COMB.pdp:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	615	94.5	117	3	US-08-961-083-68
2	615	94.5	117	4	US-09-536-784-68
3	89.5	13.7	511	4	US-09-198-452A-509
4	87.5	13.4	1702	3	US-08-296-791-5
5	87.5	13.4	1702	5	PCT-US95-10661A-5
6	85	13.1	465	4	US-09-134-001C-3856
7	85	13.1	728	4	US-09-134-001C-4968
8	85	13.1	778	4	US-09-134-001C-3868
9	85	13.1	1976	3	US-09-024-020B-9
10	85	13.1	1976	4	US-09-425-043-9
11	85	13.1	1978	4	US-09-024-020B-3
12	85	13.1	1978	4	US-09-425-043-3
13	85	13.1	1988	4	US-09-024-020B-4
14	85	13.1	1988	4	US-09-425-043-4
15	80	12.3	746	4	US-09-370-838-185
16	80	12.3	2184	4	US-09-417-485D-6
17	79.5	12.2	194	4	US-08-881-094-17
18	79.5	12.2	262	4	US-08-134-001C-3237
19	79.5	12.2	1177	4	US-09-134-001C-5106
20	78.5	12.1	700	3	US-08-235-836C-74
21	78	12.0	376	6	5180810-1
22	78	12.0	743	3	US-08-910-925-3
23	77	11.8	663	3	US-09-196-293-5
24	77	11.8	663	3	US-08-209-603E-5
25	77	11.8	663	3	US-08-235-836C-70
26	77	11.8	663	3	US-08-235-836C-78
27	77	11.8	663	4	US-09-711-546-5

28	76.5	11.8	1151	4	US-09-134-001C-3242	Sequence 3242, Ap
29	76.5	11.8	1588	5	PCT-US93-07261-11	Sequence 11, Appl
30	76.5	11.8	1663	5	PCT-US93-07261-16	Sequence 16, Appl
31	75.5	11.6	299	1	US-08-137-175A-6	Sequence 6, Appl
32	75.5	11.6	299	3	US-08-479-017-6	Sequence 6, Appl
33	75.5	11.6	299	3	US-09-134-001C-3033	Sequence 3033, Ap
34	75	11.5	290	2	US-08-903-801-1	Sequence 1, Appl
35	75	11.5	290	2	US-09-295-055-1	Sequence 1, Appl
36	75	11.5	732	2	US-08-533-669A-18	Sequence 18, Appl
37	75	11.5	732	4	US-09-183-861-18	Sequence 18, Appl
38	75	11.5	732	4	US-09-022-765-18	Sequence 18, Appl
39	75	11.5	732	4	US-09-551-974A-18	Sequence 18, Appl
40	74.5	11.4	112	4	US-09-328-352-8222	Sequence 8222, Ap
41	74.5	11.4	242	3	US-08-929-329-7	Sequence 7, Appl
42	74.5	11.4	402	3	US-09-464-483-4	Sequence 4, Appl
43	74.5	11.4	402	3	US-09-414-664-4	Sequence 4, Appl
44	74.5	11.4	415	3	US-08-675-816-2	Sequence 2, Appl
45	74.5	11.4	529	3	US-09-464-483-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-961-083-68
Sequence 68, Application US/08961083
Patent No. 6159469
GENERAL INFORMATION:
APPLICANT: Choi et. al.
TITLE OF INVENTION: Streptococcus pneumoniae Antigen and Vaccines
NUMBER OF SEQUENCES: 452
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,083
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB340P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 68:
SEQUENCE CHARACTERISTICS:
LENGTH: 117 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-961-083-68
Query Match 94.5%: Score 615; DB 3: Length 117;
Best Local Similarity 100.0%; Pred. No. 7.1e-60;
Matches 117; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Cy 8 YKGLKGYQFDGMEISGFEKDKDAGVIVNLSKDTFIKPVFKIIEKKKEENKTFPVS 67
Db 1 YKGLKGYQFDGMEISGFEKDKDAGVIVNLSKDTFIKPVFKIIEKKKEENKTFPVS 60

[illegible]

RESULT 2
US-09-536-784-68
; Sequence 68, Application US/09536784

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1 COMPUTER READABLE FORM:
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3 MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
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5 COMPUTER: HP Vectra 486/33
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7 OPERATING SYSTEM: MSDOS version 6.2
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9 SOFTWARE: ASCII Text
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11 CURRENT APPLICATION DATA:
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13 APPLICATION NUMBER: US/09/536,784
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15 FILING DATE: 30-Oct-1997
16
17 CLASSIFICATION: <Unknown>
18
19 PRIOR APPLICATION DATA:
20
21 APPLICATION NUMBER: 08/961,083
22
23 FILING DATE: OCT-30-1997
24
25 ATTORNEY/AGENT INFORMATION:
26
27 NAME: Michelle S. Marks
28
29 REGISTRATION NUMBER: 41,971
30
31 REFERENCE/DOCKET NUMBER: PB340P3
32
33 TELECOMMUNICATION INFORMATION:
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35 TELEPHONE: (301) 309-8504
36
37 TELEFAX: (301) 309-8512
38
39 INFORMATION FOR SEQ ID NO: 68:
40
41 SEQUENCE CHARACTERISTICS:
42
43 LENGTH: 117 amino acids
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45 TYPE: amino acid
46
47 STRANDEDNESS: single
48
49 TOPOLOGY: linear
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51 MOLECULE TYPE: protein
52
53 SEQUENCE DESCRIPTION: SEQ ID NO: 68:
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Query Match	94.5%	Score 615	DB 415	Length 117
Best Local Similarity	100.0%	Pred. No. 7,1e-60		
Matches 117	Conservative	0	Mismatches 0	Indels 0
Qy	8	YKGELEKTYQPDGAWISGFEGRKAGGYVYINLSKQFFIRPVFKTIEKKKEENKPFDFVSK	67	
Dy	1	YKGELEKTYQPDGAWISGFEGRKAGGYVYINLSKQFFIRPVFKTIEKKKEENKPFDFVSK	60	
Qy	68	KKDNPQVNHQSQLNESHAKEDLQREESHQSKSDTKVTVATVDLKNKISSKSTNTNNPK	124	
Dy	61	KKDNPQVNHQSQLNESHAKEDLQREESHQSKSDTKVTVATVDLKNKISSKSTNTNNPK	117	

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RESULT 3
US-09-198-452A-509
; Sequence 509, Application US/09198452A
; Patent No. 6559294
; GENERAL INFORMATION:
; APPLICANT: Griffeis, R.
; TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
; TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention
; TITLE OF INVENTION: and treatment of infection
; FILE REFERENCE: 9710-003-999

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CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 509
LENGTH: 511
TYPE: PRF
ORGANISM: Chlamydia pneumoniae
US-09-198-452A-509

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Query Match	13.7%	Score 89.5;	DB 4;	Length 511;
Best Local Similarity	24.5%	Pred. No. 0.13;		
Matches	23;	Conservative	17;	Mismatches 33;
				Indels 21;
				Gaps 2;

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QY      86 EDLQREHSQKSDSTKYATATVLDDKNISSKTT 119
      |||:::||||:
DB      155 GDLDPRVGHDSNEDSTEDRS--EGGEPSKSSS 185
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RESULT 4
 US-08-296-791-5
 Sequence 5, Application US/08296791
 Patent No. 6245397
 GENERAL INFORMATION:
 APPLICANT: St. Geme III, Joseph W.
 APPLICANT: Falkow, Stanley
 TITLE OF INVENTION: Haemophilus Adherence and Penetration
 TITLE OF INVENTION: Protein
 NUMBER OF SEQUENCES: 9
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Flehr, Hobbach, Test, Albritton & Herbert
 STREET: 4 Embarcadero Center, Suite 3400
 CITY: San Francisco
 STATE: California
 COUNTRY: United States
 ZIP: 94111-4187
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/296,791
 FILING DATE: 25-AUG-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Trecartin, Richard F.
 REGISTRATION NUMBER: 31,801
 REFERENCE/DOCKET NUMBER: A-59941/RFT/RMS
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 781-1989
 TELEFAX: (415) 398-3249
 TELE: 910 277299
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1702 amino acids
 TYPE: amino acid
 TOPOLOGY: unknown
 US-08-296-791-5

Query Match	13.4%	Score 87.5;	DB 3;	Length 1702;
Best Local Similarity	27.2%;	Pred. No. 1;		
Matches	25;	Conservative	14;	Mismatches 50;
				Indels 3;
				Gaps 1

Db 1296 INFGSATITETAEKSDKQETETAETAEASQHKANTYADNSVANNSESEEPKSRRRSI 1355

Qy 95 - OKSDSTKVATVLDKNNISSKSTNNPNK 124

Db 1356 S0P0ETSAEFTTA5TDETTIADNSKRSKPNR 1387

RESULT 5
PCT-US95-10661A-5
Sequence 5, Application PC/TUS9510661A

GENERAL INFORMATION:

APPLICANT: Washington University, et al.

TITLE OF INVENTION: Haemophilus Adherence and Penetration Protein

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert

STREET: 4 Embarcadero Center, Suite 3400

CITY: San Francisco

STATE: California

COUNTRY: United States

ZIP: 94111-4187

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/10661A

FILING DATE: 16-AUG-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/296,791

FILING DATE: 25-AUG-1994

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Treccarlin, Richard F.

REGISTRATION NUMBER: 31,801

REFERENCE/DOCKET NUMBER: FP-59941/RFT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 781-1989

TELEFAX: (415) 398-3249

TELEX: 910 277299

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 1702 amino acids

TYPE: amino acid

TOPOLOGY: unknown

PCT-US95-10661A-5

Query Match 13.4%; Score 87.5; DB 5; Length 1702;
Best Local Similarity 27.2%; Pred. No. 1;
Matches 25; Conservative 14; Mismatches 50; Indels 3; Gaps 1;

QY 36 INLSKDTIKYFVKKIEKKKEENKPTDVSKKKNPQVNSHLSHREKEDLOREHS- 94
Db 1296 INTGATITETAEKSDKPRQETASTEDASQHKNTVADNSVANNSESSEKSRRSI 1355

QY 95 --QKSDSTKVATVLDKNNISKSSTNNPNK 124
Db 1356 S0P0ETSAEFTTA5TDETTIADNSKRSKPNR 1387

RESULT 6
US-09-134-001C-3856
Sequence 3856, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3856
LENGTH: 465
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3856

Query Match 13.1%; Score 85; DB 4; Length 465;
Best Local Similarity 32.6%; Pred. No. 0.34;
Matches 30; Conservative 15; Mismatches 21; Indels 26; Gaps 6;

QY 51 IEKKKEENKPTFVSKKQDNPQVNSHLSHREKEDLOREHSQKSDSTK- 99
Db 3 MEENKQPNKE--NMSNKDDNA---THLNSHREKEDLEFRNKNAQRARRRIDNSK 56

QY 100 TKQVYAT-----VLDKNNISKSSTNNPNK 124
Db 57 EKDATSTQSOLETKPMKFIQNHKS--HNQNK 86

RESULT 7

US-09-134-001C-4968

Sequence 4968, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS

FILE REFERENCE: GTC-007

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 4968

LENGTH: 728

TYPE: PRT

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-4968

Query Match 13.1%; Score 85; DB 4; Length 728;
Best Local Similarity 28.0%; Pred. No. 0.62;
Matches 23; Conservative 15; Mismatches 36; Indels 8; Gaps 2;

QY 51 IEKKKEENKPTFVSKKQDNPQVNSHLSHREKEDLOREHSQKSDSTK- 102
Db 46 LEEQIKALDKKFFASQAKQDNTQNTQNNHQSNNKQNSNDKEKQSGKNSKPTKKEQN 105

QY 103 VTAIVLDKNNISKSSTNNPNK 124
Db 106 NKGQNNKNTKNNKQNNKNNK 127

RESULT 8
US-09-134-001C-3868
Sequence 3868, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3868
LENGTH: 778

TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3868

Query Match 13.1%; Score 85; DB 4; Length 778;
Best Local Similarity 26.4%; Pred. No. 0.68;
Matches 37; Conservative 19; Mismatches 42; Indels 42; Gaps 8;

QY 4 ILPVYK-----GELKGYQFDG---EISGFE-----GKKDAGYIN--LSKDTFTK 45
DB 647 VLPHSKVMMTDGLTWP-DMTGWTKEADLAFEDLTKIKVSTGNGFVYNQISKQIILK 705
QY 46 PVFKKIEEKKBEENKPTFDVS---KKDNPQVNSQLNESHKREDLOREHSHOKSDSTK 101
DB 706 -----NKKIEVSLSAEDTDDQEKTDSDSSNKSCKKADBDHSHNTSSSTK 752
QY 102 DVATATVLDKNNISSKSTNN 121
DB 753 N-----DKSNADSKDSD 766

RESULT 9

US-09-024-020B-9

Sequence 9, Application US/09024020B

Patent No. 6030810

GENERAL INFORMATION:

APPLICANT: DELGADO, STEPHEN G.

APPLICANT: DIETRICH, PAUL S.

APPLICANT: FISH, LINDA M.

APPLICANT: HERMAN, RONALD C.

APPLICANT: SANGAMESWARAN, LAKSHMI

TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE

TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSER: JANET PAULINE CLARK

STREET: 3401 HILLVIEW AVENUE, MS A2-250

CITY: PALO ALTO

STATE: CA

COUNTRY: U.S.A.

ZIP: 94304-1397

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/024,020B

FILING DATE: 16-FEB-1998

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/039,447

FILING DATE: 26-FEB-1997

ATTORNEY/AGENT INFORMATION:

NAME: CLARK, JANET P.

REGISTRATION NUMBER: 34,799

REFERENCE/DOCKET NUMBER: R0020B-REG

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 852-3097

TELEFAX: (650) 852-3097

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 1976 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-024-020B-9

Query Match 13.1%; Score 85; DB 3; Length 1976;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

QY 17 OPDGEISGFEKGDAGYINLSKDTFIKPVFKKIEEKKBEENKPTFDVSKKDNPOVNH 76
DB 989 ENNNQISVIRIKKGVAMT-KYKVAHFMQAHFK---QREADVKKPLDELYEKKANCIAH 1044

QY 77 SOLNESHKREDLOREHSHOKSDSTVDVATATVLDKNNISSKSTNNPN 123
DB 1045 TGV-DIHRNGDFQKNGNGTTSIGSSVEKYIIDEDHM---SPINNPN 1087

RESULT 10

US-09-425-043-9

Sequence 9, Application US/09425043

Patent No. 6335172

GENERAL INFORMATION:

APPLICANT: DELGADO, STEPHEN G.

APPLICANT: DIETRICH, PAUL S.

APPLICANT: FISH, LINDA M.

APPLICANT: HERMAN, RONALD C.

APPLICANT: SANGAMESWARAN, LAKSHMI

TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE

TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF

NUMBER OF SEQUENCES: 43

CORRESPONDENCE ADDRESS:

ADDRESSER: JANET PAULINE CLARK

STREET: 3401 HILLVIEW AVENUE, MS A2-250

CITY: PALO ALTO

STATE: CA

COUNTRY: U.S.A.

ZIP: 94304-1397

COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/425,043

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 09/024,020

FILING DATE: 16-FEB-1998

APPLICATION NUMBER: US 60/039,447

FILING DATE: 26-FEB-1997

ATTORNEY/AGENT INFORMATION:

NAME: CLARK, JANET P.

REGISTRATION NUMBER: 34,799

REFERENCE/DOCKET NUMBER: R0020B-REG

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650) 852-3097

TELEFAX: (650) 855-5322

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 1976 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-425-043-9

Query Match 13.1%; Score 85; DB 4; Length 1976;
Best Local Similarity 25.2%; Pred. No. 2.3;

Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

QY 17 OPDGEISGFEKGDAGYINLSKDTFIKPVFKKIEEKKBEENKPTFDVSKKDNPOVNH 76
DB 989 ENNNQISVIRIKKGVAMT-KYKVAHFMQAHFK---QREADVKKPLDELYEKKANCIAH 1044

QY 77 SOLNESHKREDLOREHSHOKSDSTVDVATATVLDKNNISSKSTNNPN 123
DB 1045 TGV-DIHRNGDFQKNGNGTTSIGSSVEKYIIDEDHM---SPINNPN 1087

RESULT 11

```

US-09-024-020B-3
; Sequence 3, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1978 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-024-020B-3

Query Match: 13.1%; Score 85; DB 3; Length 1978;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

Cy 17 QPDGWEISGFGRKDGAGVYINISKPTFLKPYFKLIEKKEENKPTFVSKKONPQVNH 76
Db 991 EMANLIQIVIRIKKGVANT-KYKVAHPQAHFK--QEADEVKPLDIYEKKNACINHH 1046
Cy 77 SQMESHRKEDLQREHSQKSDSTKDTATYALDKNNISKSTNNPN 123
Db 1047 TGV-DIHRNGDPQKNGNGTTSIGSSVEKYIIDBDHM--SFINNPN 1089

RESULT 12
US-09-425-043-3
; Sequence 3, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1978 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-024-020B-3

```

CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1978 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-3

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13.1#; Score 85; DB 4; Length 1878;
Best Local Similarity 25.2#; Pred. No. 2,3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

QY      17 QFDWEISGEFGKDGAGVYNLSKDTFIKPVFKIEEKEEENKPTDVSKKONPOVNH 76
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      991 ENNIIQTSVIRIKKGVAWMT-KVKYHAEMQAHFK---GREADEVXPLDELLEYEKKANCIANH 1046
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      77 SQANSHRKEDJOREHSQKSDSKDSTKDYATATVLDKNNISSTNNPN 123
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB      1047 TGV-DIHRNGDFOKNGNGTTSIGSSVEKYIITDEDM--SFINPN 1089
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 13
US-09-024-020B-4
; Sequence 4, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILAVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patent Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/024,020B
      FILING DATE: 16-FEB-1998
      CLASSIFICATION: 536
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 60/039,447
      FILING DATE: 26-FEB-1997
      ATTORNEY/AGENT INFORMATION:
      NAME: CLARK, JANET P.
      REGISTRATION NUMBER: 34,799
      REFERENCE/DOCKET NUMBER: R0020B-RRG
      TELECOMMUNICATION INFORMATION:
      TELEPHONE: (650) 852-3097
      TELEFAX: (650) 855-5322
      INFORMATION FOR SEQ ID NO: 4:
      SEQUENCE CHARACTERISTICS:
      LENGTH: 1988 amino acids
      TYPE: amino acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: peptide
      US-09-024-020B-4

Query Match      13.1%; Score 85; DB 3; Length 1988;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

Cy      17  QEDGMEISGEFGKQDAGVILMSKDTFIKPVFKKIEEKEENPTFPDSSKKKNPQVNH 76
Db      1001  EMMNLQSLVIRIKGVAVT-KYKVAHFQAHFK--QREADVKEFLDELVEKKANCIANH 1056
Cy      77  SQLNESHRKEDLOREEHQSQKSDSTQVATVLDKNNISKSSTNNPN 123
Db      1057  TGV-DIHRNGDPQKNGNGTTSIGISSVEKTYIDEDHM--SFINNPN 1099

      RESULT 14
      US-09-425-043-4
      Sequence 4, Application US/09425043
      Patent No. 6335172
      GENERAL INFORMATION:
      APPLICANT: DELGADO, STEPHEN G.
      APPLICANT: DIETRICH, PAUL S.
      APPLICANT: FISH, LINDA M.
      APPLICANT: HERMAN, RONALD C.
      APPLICANT: SANGMESMARAN, LAKSHMI
      TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
      TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
      NUMBER OF SEQUENCES: 43
      CORRESPONDENCE ADDRESS:
      ADDRESSEE: JANET PAULINE CLARK
      STREET: 3401 HILVIEW AVENUE, MS A2-250
      CITY: PALO ALTO
      STATE: CA
      COUNTRY: U.S.A.
      ZIP: 94304-1397
      COMPUTER READABLE FORM:
      MEDIUM TYPE: Floppy disk
      COMPUTER: IBM PC compatible
      OPERATING SYSTEM: PC-DOS/MS-DOS
      SOFTWARE: Patent Release #1.0, Version #1.30
      CURRENT APPLICATION DATA:
      APPLICATION NUMBER: US/09/425,043
      FILING DATE:
      CLASSIFICATION:
      PRIOR APPLICATION DATA:
      APPLICATION NUMBER: US 09/024,020
      FILING DATE: 16-FEB-1998
      APPLICATION NUMBER: US 60/039,447
      FILING DATE: 26-FEB-1997
      ATTORNEY/AGENT INFORMATION:

```

```

: NAME: CLARK, JANET P.
: REGISTRATION NUMBER: 34,799
: REFERENCE/DOCKET NUMBER: R0020B-REG
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (650) 852-3097
: TELEFAX: (650) 855-5322
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1988 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
US-09-425-043-4

Query Match 13.1%; Score 85; DB 4; Length 1988;
Best Local Similarity 25.2%; Pred. No. 2.3;
Matches 27; Conservative 25; Mismatches 47; Indels 8; Gaps 4;

Oy 17 QFDSEWISGEGKKDAGVYINLSKDTFIKPVFKKIEKKKEENKPTDVSKKKNPVNH 76
Db 1001 EMMNLQISVIRIKKGVAMT-KVYVHAFMOAHFK--QREDEVFPDLELVEKKANCIANH 10566

Oy 77 SOLNESRKEDLQREHSOKSDSTKYATVLDKNNISKSTNNPN 123
Db 1057 TGV-DIHRNGDFQKNGNGTTSIGSSVEKTIIDEDHA---SFINNPN 1099

RESULT 15
US-09-370-838-185
: Sequence 185; Application US/09370838
: Patent No. 6444425
: GENERAL INFORMATION:
: APPLICANT: Reed, Steven G.
: APPLICANT: Lodes, Michael J.
: APPLICANT: Mohamach, Raoach
: APPLICANT: Seclst, Heather
: TITLE OF INVENTION: COMPOUNDS FOR THERAPY AND DIAGNOSIS OF
: TITLE OF INVENTION: LUNG CANCER AND METHODS FOR THEIR USE
: FILE REFERENCE: 210121.475C1
: CURRENT APPLICATION NUMBER: US/09/370,838
: EARLIER FILING DATE: 1999-08-09
: EARLIER APPLICATION NUMBER: US 09/285,323
: NUMBER OF SEQ ID NOS: 289
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 185
: LENGTH: 746
: TYPE: PRT
: ORGANISM: Homo sapien
US-09-370-838-185

Query Match 12.3%; Score 80; DB 4; Length 746;
Best Local Similarity 26.4%; Pred. No. 2.2;
Matches 32; Conservative 21; Mismatches 56; Indels 12; Gaps 4;

Oy 10 GELKGYOPDWEISG--FEKKDAGVYINLSKDTFIKPVFKKIEKKKEENKPTFDVSK 67
Db 115 GQEKQGSFMSWMSGHGEVSKAVSLQEKQDTSKLRSFLPREQKKQKQISKSPSQ 174

Oy 68 -KKCNPOVNHSQLNESRKED-----LQREHSOKSDSTKYATVLDKNNISKST 118
Db 175 WKDTPKSKAGVQEOBKQETPMLMPVOLQKQ-DPKQTPKSWTPSMOSEQNTTYSWT 233

Oy 119 T 119
Db 234 T 234

RESULT 16
US-09-417-485D-6
: Sequence 6; Application US/09417485D
: Patent No. 6541202

```

GENERAL INFORMATION:
APPLICANT: Long, David M.
APPLICANT: Metz, Anneke M.
APPLICANT: Love, Ruchelle A.
TITLE OF INVENTION: Telomerase Reverse Transcriptase (TERT) Genes
FILE REFERENCE: 47714-5009-US
CURRENT APPLICATION NUMBER: US/09/417,485D
CURRENT FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 49
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 6
LENGTH: 2184
TYPE: PRT
ORGANISM: Plasmodium falciparum
FEATURE:
NAME/KEY: unsure
LOCATION: (330)..(335)
OTHER INFORMATION: Xaa at position 330 = Leu or Ile;
OTHER INFORMATION: Xaa at position 335 = Asp or Gly.
US-09-417-485D-6

Query Match 12.3%; Score 80; DB 4; Length 2184;
Best Local Similarity 25.9%; Pred. No. 9.3;
Matches 21; Conservative 17; Mismatches 31; Indels 12; Gaps 2;

Qy 40 KDTPIKVPFKIEEKEENKPTFVSKKDNPOVNHQSOLNESHKEDLOREHSHQKSDS 99
Db 305 KDKLPELDFSESEKESKSSVGYDKKK-----NXSNIRFHKIRNTRKEKKKKVWK 358
Qy 100 TKDVTATVLDKNNISKSTTN 120
Db 359 -----IINNNIILQHNTTN 373

RESULT 17
US-08-881-094-17
Sequence 17, Application US/08881094A
Patent No. 6022739
GENERAL INFORMATION:
APPLICANT: Ryan, Clarence A
APPLICANT: Pearce, Gregory L
APPLICANT: McGurl, Barry F
TITLE OF INVENTION: Systemin
FILE REFERENCE: 7555-000001CPB
CURRENT APPLICATION NUMBER: US/08/881,094A
CURRENT FILING DATE: 1997-07-09
EARLIER APPLICATION NUMBER: 08/308,887
EARLIER FILING DATE: 1994-09-19
EARLIER APPLICATION NUMBER: PCT/US93/02428
EARLIER FILING DATE: 1993-03-18
EARLIER APPLICATION NUMBER: 07/885,412
EARLIER FILING DATE: 1992-03-19
EARLIER APPLICATION NUMBER: 07/528,956
EARLIER FILING DATE: 1990-05-25
EARLIER APPLICATION NUMBER: PCT/US91/03685
EARLIER FILING DATE: 1991-05-24
NUMBER OF SEQ ID NOS: 43
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 17
LENGTH: 194
TYPE: PRT
ORGANISM: Solanum tuberosum
US-08-881-094-17

Query Match 12.2%; Score 79.5; DB 3; Length 194;
Best Local Similarity 24.7%; Pred. No. 0.43;
Matches 24; Conservative 18; Mismatches 22; Indels 33; Gaps 4;

Qy 25 GFEKGKQAGYINISKDTFIRKVPK-----KIEEKEEENK-----PTFVDS 66
Db 63 GADGKER-----NVEKETISKIIRIKIEGDDAQEKIKVEEYEEYKEKIVKSGSPSQIN 117
Qy 67 KKKDNPOVNHQSOLNESHKEDLOREHSHQKSDSTDV 103

Db 118 NKGDPPQ-----EKPAVEHEGDEKETPSQDI 144

RESULT 18
US-09-134-001C-3237
Sequence 3237, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3237
LENGTH: 262
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3237

Query Match 12.2%; Score 79.5; DB 4; Length 262;
Best Local Similarity 28.7%; Pred. No. 0.64;
Matches 33; Conservative 15; Mismatches 34; Indels 33; Gaps 5;

Qy 36 INLSKDTPIKVPFKIEEKEENKPTFVSKKDNPOVNHQSOL----- 79
Db 4 VNTSND-SNESSQDEKKEKPTKOSTPNSESENTDNSOQRINATPSARRHARKGV 62
Qy 80 -----NESHKEDLOREHSHQKSDSTQVATVLDKN-NISKSTNNPNK 124
Db 63 DLSEVSGKGNVLRKDDV---ENSQKSSQ---TAKSSKSGNSGSKSNPNPSK 111

RESULT 19
US-09-134-001C-5106
Sequence 5106, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 5106
LENGTH: 1177
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-5106

Query Match 12.2%; Score 79.5; DB 4; Length 1177;
Best Local Similarity 30.3%; Pred. No. 4.7;
Matches 27; Conservative 10; Mismatches 33; Indels 19; Gaps 4;

Qy 51 IEKKEEENKPTF-----DVSKKKNPOVNHQSOLNESHKEDLOREHSHQKSD--STQDV 103
Db 385 IDNKEAQNNPLFNYEETIDLTTSQVYKNEE--TESKNDDLVSSNHYHSDDAEVEDA 443
Qy 104 TATVLDKNN-----ISSKSTNN 121
Db 444 EYHELDNRQNGNSQDDIISKSTSN 472

Query Match 11.8%; Score 76.5; DB 5; length 1588;
 Best Local Similarity 26.5%; Pred. No. 15;
 Matches 22; Conservative 20; Mismatches 28; Indels 13; Gaps 3

49 KIIIEKKKEENKPTVDVSKKKD-----NPQVNHSLNESHKREDIQREK-HSQKSD 98

? APPLICANT: BARBOUR, Alan G.
 ? APPLICANT: BERGSTROM, Sven
 ? APPLICANT: HANSSON, Lennart
 ? TITLE OF INVENTION: IMPROVEMENT IN BORRELLIA BURGDORFERI AND
 ? TITLE OF INVENTION: PROPHYLAXIS

Db 167 GAVENGDTVNIDFG-SVDGEFDDGQAGYDLGIGSGSFLPGFEIEGMKTGDEKDV 225
QY 61 -----PTFDVS-----KKDNPQVHNSQNF-----SHRKEPLOREE 92
Db 226 VTPEEYHAEIAGKAEATFKTKVNEIKRKDPVPELDELAIJELSDAENVDEYKENTARRL 285
QY 93 HSKSDSTKDVATVLDKNNISSKSTTN 120
Db 286 SEQKATEMENT-----EKEEAINKATEN 308

RESULT 34
US-08-903-801-1
; Sequence 1, Application US/08903801
; Patent No. 5932712
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: NEW ANEXIN BINDING PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/903.801
; FILING DATE: Herewith
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0354 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 290 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNON01
; CLONE: 2272281
; US-08-903-801-1

Query Match 11.5%; Score 75; DB 2; Length 290;
Best Local Similarity 24.5%; Pred. No. 2.3;
Matches 34; Conservative 19; Mismatches 62; Indels 24; Gaps 4;

QY 2 DPLIPVYKGELEKGYQPDGMEISGFEKKDAGYVNLKDTFIRKVFKKIEKKEENKP 61
Db 105 DFLQSRKGQKQKNGKPGNIESGNEDDDASFK-----IKTVAQKAEKKERERKK 156

QY 62 TFD-----VSKKQNDPQVHNSQNLNESHKEDLQ-REHSQKSDSTKDV-----TA 105
Db 157 RDEBKAKRKLEKEELETGKKDOSKQESQKRFEEETVSKVYDVTGVIPASEBKATP 216
QY 106 TVLDKNNISSKSTTNPNK 124

Db 217 TAAEDNEGDKKKKKKKKK 235

RESULT 35
US-09-295-055-1
; Sequence 1, Application US/09295055
; Patent No. 6232440
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer
; APPLICANT: Corley, Neil C.
; APPLICANT: Shah, Purvi
; TITLE OF INVENTION: NEW ANEXIN BINDING PROTEIN
; NUMBER OF SEQUENCES: 3
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/295.055
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/903.801
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0354 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 290 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: PROSNON01
; CLONE: 2272281
; US-09-295-055-1

Query Match 11.5%; Score 75; DB 3; Length 290;
Best Local Similarity 24.5%; Pred. No. 2.3;
Matches 34; Conservative 19; Mismatches 62; Indels 24; Gaps 4;

QY 2 DPLIPVYKGELEKGYQPDGMEISGFEKKDAGYVNLKDTFIRKVFKKIEKKEENKP 61
Db 105 DFLQSRKGQKQKNGKPGNIESGNEDDDASFK-----IKTVAQKAEKKERERKK 156

QY 62 TFD-----VSKKQNDPQVHNSQNLNESHKEDLQ-REHSQKSDSTKDV-----TA 105
Db 157 RDEBKAKRKLEKEELETGKKDOSKQESQKRFEEETVSKVYDVTGVIPASEBKATP 216
QY 106 TVLDKNNISSKSTTNPNK 124
Db 217 TAAEDNEGDKKKKKKKKK 235

RESULT 36
US-08-533-669A-18
; Sequence 18, Application US/08533669A
; Patent No. 5834592
; GENERAL INFORMATION:

APPLICANT: Corixa Corporation
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
THERAPY AND DIAGNOSIS OF LEISHMANIASIS
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/533,669A
FILING DATE: 22-SEP-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-533-669A-18

Query Match 11.5%; Score 75; DB 2; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

QY 12 LEKGYPDGMETSGF-EGKKDAGVYINLSKDTPIKVPFKIEKKEENKPTFVSKKD 70
DB 207 VKHSGQFGYPTLTLVEKERDK---EVSD-----EAEKEDKEKEKEKESD 254
QY 71 NPQVNSQLNESHKRDLDREHSQSD---STQVATVLDKNNISSKST--TNPN 123
DB 255 KPEI-----EDVGSDEDEKDKDGGKKKKIKKKYIDKEINLTKPIWTRNPD 302

RESULT 37
US-09-183-861-18
Sequence 18, Application US/09183861
Patent No. 6365165
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Dillon, David C.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE THERAPY AND
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/183,861
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/022,765
FILING DATE: 12-FEB-1998
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-09-183-861-18

Query Match 11.5%; Score 75; DB 4; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

QY 12 LEKGYPDGMETSGF-EGKKDAGVYINLSKDTPIKVPFKIEKKEENKPTFVSKKD 70
DB 207 VKHSGQFGYPTLTLVEKERDK---EVSD-----EAEKEDKEKEKEKESD 254
QY 71 NPQVNSQLNESHKRDLDREHSQSD---STQVATVLDKNNISSKST--TNPN 123
DB 255 KPEI-----EDVGSDEDEKDKDGGKKKKIKKKYIDKEINLTKPIWTRNPD 302

RESULT 38
US-09-022-765-18
Sequence 18, Application US/09022765
Patent No. 6375955
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Dillon, David C.
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE THERAPY AND
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,765
FILING DATE: 12-FEB-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 210121.420C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 732 amino acids
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: Linear
US-09-022-765-18

Query Match 11.5%; Score 75; DB 4; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

OY 12 LEKGYPGMEISGF-EKGKAGYINISKDTFIPVKIIEKKEENKPTFDVSKKD 70
DB 207 VKKHSQFIGYPITLFEKERDK---EVSDD-----EAEKEDKEEKEKESES 254
OY 71 NPOVHSQLNESHREKEDLOREHOSKSD---STKVATATVLDKNNISKST--TNNPN 123
DB 255 KPEI-----EDVGSDEDEKDKKKKKIKIKIKYIDKELNKTPIWTRND 302

RESULT 39

US-09-551-974A-18
Sequence 18; Application US/09551974A
Patent No. 6500437
GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Dillon, David C.
APPLICANT: Skeiky, Yaser A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
FILE REFERENCE: 210121.420C5
CURRENT APPLICATION NUMBER: US/09/551,974A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 101
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 18
LENGTH: 732
TYPE: PRT
ORGANISM: Homo sapien
US-09-551-974A-18

Query Match 11.5%; Score 75; DB 4; Length 732;
Best Local Similarity 22.7%; Pred. No. 7.7;
Matches 27; Conservative 25; Mismatches 37; Indels 30; Gaps 6;

OY 12 LEKGYPGMEISGF-EKGKAGYINISKDTFIPVKIIEKKEENKPTFDVSKKD 70
DB 207 VKKHSQFIGYPITLFEKERDK---EVSDD-----EAEKEDKEEKEKESES 254
OY 71 NPOVHSQLNESHREKEDLOREHOSKSD---STKVATATVLDKNNISKST--TNNPN 123
DB 255 KPEI-----EDVGSDEDEKDKKKKKIKIKIKYIDKELNKTPIWTRND 302

RESULT 40

US-09-328-352-8222
Sequence 8222; Application US/09328352
Patent No. 6562958
GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
FILE REFERENCE: GTC99-03PA
CURRENT APPLICATION NUMBER: US/09/328,352
CURRENT FILING DATE: 1999-06-04
NUMBER OF SEQ ID NOS: 8252
SEQ ID NO 8222
LENGTH: 112
TYPE: PRT
ORGANISM: Acinetobacter baumannii
US-09-328-352-8222

Query Match 11.4%; Score 74.5; DB 4; Length 112;
Best Local Similarity 29.9%; Pred. No. 0.73;

Matches 23; Conservative 15; Mismatches 26; Indels 13; Gaps 4;

OY 50 KIEEKEENKPTFDVSKKDPVHNSQLNESHREKEDLOREHOSKSDSTKVATATVLD 109
DB 47 KNSKAQEKCKKPCDMKDGKNOQ-NHSQHDHS-QMSDMSQMDHSKMMN-----MD 95
OY 110 KNNIS--SKSTTNNPNK 124
DB 96 HSGMSEMDHSKMMNPNK 112

Search completed: February 10, 2004, 10:59:55
Job time: 9.19881 secs

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